AMENDMENTS TO THE CLAIMS

Please amend claim 1, and cancel claim 2, as set forth in the listing of claims that follows:

1. (Currently Amended) A heat exchanger comprising:

a core including fins and tubes extending between opposite ends;

a tank having a longitudinal axis and extending across one end of said core and in fluid communication with said tubes;

said tank having an open end and defining an inlet on an inlet axis adjacent said open end and transverse to said longitudinal axis; and

an end cap closing said open end and presenting an inlet diverter wall extending into said tank ~~across~~ and intersecting said inlet axis at an acute angle, said inlet diverter wall being disposed to intercept fluid flowing into the tank through the inlet along the inlet axis and to re-direct ~~for re-directing~~ the fluid ~~from said inlet and longitudinally~~ into said tank in the direction of the longitudinal axis ~~and along said one end of said core~~.

2. (Cancelled)

3. (Original) A heat exchanger in claim 2 wherein said inlet diverter wall is planar.

4. (Original) A heat exchanger in claim 2 wherein said inlet diverter wall is curved.

5. (Original) A heat exchanger in claim 4 wherein said inlet diverter wall presents one of a convex and concave surface facing said inlet and curving across said inlet axis at an acute angle A.

6. (Original) A heat exchanger in claim 2 wherein said end cap further comprises a tube diverter wall extending longitudinally into said tank in spaced relationship to said tubes of said core and adjoining said inlet diverter wall to define a corner therebetween to direct fluid out of said tubes and longitudinally into said tank.

7. (Original) A heat exchanger in claim 6 wherein said tube diverter wall is planar.

8. (Original) A heat exchanger in claim 7 wherein said tube diverter wall slants away from said tube wall.

9. (Original) A heat exchanger in claim 8 wherein said corner extends into said tank in a pyramidal fashion.

10. (Original) A heat exchanger in claim 6 wherein said tube diverter wall is curved.

11. (Original) A heat exchanger in claim 6 including a core reinforcement extension extending from said core parallel to said longitudinal axis and defining an access slot, said end cap including a locking tab extending through said access slot.

12. (Original) A heat exchanger in claim 11 wherein said core reinforcement extension is bent over said locking tab.

13. (Original) A heat exchanger in claim 1 wherein said end cap is secured to said tank by brazing.

14. (Original) A heat exchanger in claim 1 wherein said tank and said end cap are aluminum.

15. (Original) A heat exchanger in claim 6 wherein said end cap includes a peripheral flange extending over and engaging said open end of said tank.

16. (Original) A heat exchanger in claim 15 wherein said end cap includes a peripheral waist depending from said flange and engaging the interior of said tank.

17. (Original) A heat exchanger in claim 16 wherein said diverter walls extend inwardly from said waist in a pyramidal fashion.

18. (Original) A heat exchanger in claim 17 wherein said tank is rectangular in cross section with a tube wall surrounding said tubes and an outer wall and two parallel side walls extending between said tube and outer walls, said inlet being disposed in a first of said side walls, said end cap including a face wall extending straight from said waist and engaging the second of said side walls of said tank, said cap including a rear wall extending straight from said waist and engaging said outer wall of said tank.

19. (Original) A heat exchanger in claim 18 wherein said diverter walls and said face and rear walls of said end cap converge at a linear peak extending from said corner to said rear wall.